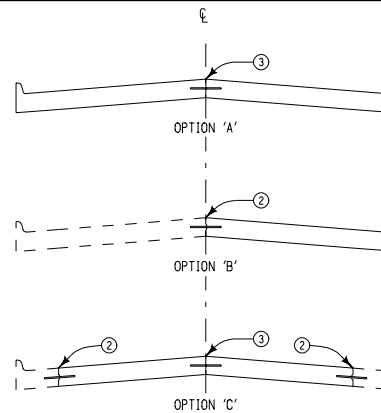


TYPICAL PAVEMENT PLAN



#### PAVING OPTIONS

Unless specified otherwise in the detail project plans it is the Contractor's option to construct 9.6 meter PCC pavement in one of the following options:

Option 'A': Pour full 9.6 meter back to back section.

Option 'B': Pour one half of 9.6 meter back to back section.

Option 'C': Pour the center 7.2 meters of the 9.6 meter back to back section and then pour the 1.2 meter curb and gutter section separately.

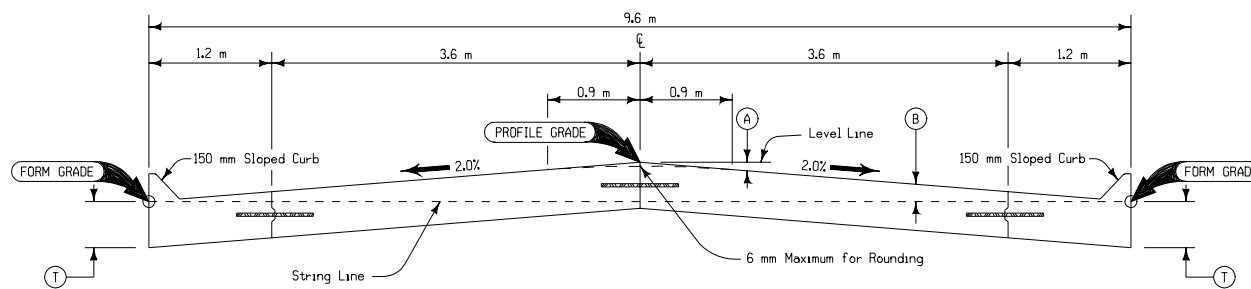
#### GENERAL NOTES:

Details indicated on this plan are intended to illustrate the general requirements for Two-lane P.C. Concrete Pavements 9.6 meters in width.

Refer to Standard Road Plans RH-50, 51 and 52 for details of construction of joints in pavement. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part of detail project plans or when T is less than 200 millimeters.

Normal crown shall be a straight line sloped from the profile grade for the distance and rate indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

The price bid for "Standard or Slip-Form PCC pavement" class and thickness as specified, in square meters including all required joints, shall be considered full compensation for the construction of pavement as detailed hereon.



TYPICAL CROSS SECTION

OFFSETS FOR 9.6 m PAVEMENT WITH 150 mm SLOPED CURBS								
Distance From CL	0	1.0 m	2.0 m	3.0 m	3.6 m	4.0 m	4.8 m	
(A)	mm	0	20	40	60	72	80	96
(B)	mm	96	76	56	36	24	16	0

PER STATION DESIGN VALUES FOR (9.6 m B-B) PAVEMENT SECTION												④
ITEM	UNIT	T=150	T=160	T=170	T=180	T=190	T=200	T=210	T=220	T=230	T=240	T=250
Section Area	m <sup>2</sup>	1.49	1.59	1.68	1.78	1.87	1.97	2.07	2.16	2.26	2.35	2.45
Concrete Volume	m <sup>3</sup>	149.0	158.6	168.2	177.8	187.4	197.0	206.6	216.2	225.8	235.4	245.0
Surface Area	m <sup>2</sup>	960	960	960	960	960	960	960	960	960	960	960

- ① Transverse Joint 6.0 meters (normal) for 'CD' joint (no dowels in outside 1.1 meters of pavement). 4.5 meters (normal) for 'C' joint.
- ② 'BT-1' Joint if pavement thickness is less than 200 millimeters. 'KT-2' Joint, if pavement thickness is 200 millimeters or greater.
- ③ 'L-1' Joint if pavement thickness is less than 200 millimeters. 'L-2' Joint, if pavement thickness is 200 millimeters or greater.
- ④ Quantities include 150 millimeter curb.

All dimensions given in millimeters unless noted.

<b>M</b>	<b>Iowa Department of Transportation Highway Division</b>	
	<b>STANDARD ROAD PLAN RH-45C</b>	
	REVISION: Remove skewed joints.	REVISION NO. 2
	<i>William J. Stem</i> APPROVED BY DESIGN METHODS ENGINEER	
	TWO LANE 9.6 m WIDE P.C. CONCRETE PAVEMENT (WITH 150 mm SLOPED CURB)	